

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/541,501
Source: IFWP
Date Processed by STIC: 07/31/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 07/31/2006

PATENT APPLICATION: US/10/541,501

TIME: 14:31:18

Input Set : A:\Sequence listing revised2.txt

Output Set: N:\CRF4\07312006\J541501.raw

3 <110> APPLICANT: Carlsberg Research Center

5 <120> TITLE OF INVENTION: AFFINITY FISHING FOR LIGANDS AND PROTEIN

RECEPTORS

7 <130> FILE REFERENCE: P 782 PC00

C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/541,501

C--> 9 <141> CURRENT FILING DATE: 2005-07-07

9 <160> NUMBER OF SEQ ID NOS: 64

11 <170> SOFTWARE: PatentIn version 3.1

13 <210> SEQ ID NO: 1

14 <211> LENGTH: 6

15 <212> TYPE: PRT

16 <213> ORGANISM: Artificial Sequence

18 <220> FEATURE:

19 <223> OTHER INFORMATION: Peptide Spacer

21 <400> SEQUENCE: 1

23 Gly Pro Pro Phe Pro Phe

24 1 5

27 <210> SEQ ID NO: 2

28 <211> LENGTH: 7

29 <212> TYPE: PRT

30 <213> ORGANISM: Artificial Sequence

32 <220> FEATURE:

33 <223> OTHER INFORMATION: Peptide Spacer

35 <400> SEQUENCE: 2

37 Ala Pro Arg Pro Pro Arg Ala

38 1 5

41 <210> SEQ ID NO: 3

42 <211> LENGTH: 6

43 <212> TYPE: PRT

44 <213> ORGANISM: Artificial Sequence

46 <220> FEATURE:

47 <223> OTHER INFORMATION: Binding ligand from peptide library

49 <220> FEATURE:

50 <221> NAME/KEY: MISC_FEATURE

51 <222> LOCATION: (1)..(1)

52 <223> OTHER INFORMATION: Xaa is Pip

55 <220> FEATURE:

56 <221> NAME/KEY: MISC_FEATURE

57 <222> LOCATION: (2)..(3)

58 <223> OTHER INFORMATION: Xaa is Pal

61 <220> FEATURE:

62 <221> NAME/KEY: MISC_FEATURE

63 <222> LOCATION: (5)..(5)

64 <223> OTHER INFORMATION: Xaa is Pya

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67 <220> FEATURE:
68 <221> NAME/KEY: MISC_FEATURE
69 <222> LOCATION: (6)..(6)
70 <223> OTHER INFORMATION: Xaa is Pip
73 <400> SEQUENCE: 3
W--> 75 Xaa Xaa Xaa Phe Xaa Xaa
      76 1          5
      79 <210> SEQ ID NO: 4
      80 <211> LENGTH: 6
      81 <212> TYPE: PRT
      82 <213> ORGANISM: Artificial Sequence
      84 <220> FEATURE:
      85 <223> OTHER INFORMATION: Binding ligand from peptide library
      87 <220> FEATURE:
      88 <221> NAME/KEY: MISC_FEATURE
      89 <222> LOCATION: (1)..(1)
      90 <223> OTHER INFORMATION: Xaa is Pya
      93 <220> FEATURE:
      94 <221> NAME/KEY: MISC_FEATURE
      95 <222> LOCATION: (2)..(3)
      96 <223> OTHER INFORMATION: Xaa is Hyp
      99 <220> FEATURE:
     100 <221> NAME/KEY: MISC_FEATURE
     101 <222> LOCATION: (5)..(5)
     102 <223> OTHER INFORMATION: Xaa is Acn
     105 <400> SEQUENCE: 4
W--> 107 Xaa Xaa Xaa Phe Xaa Tyr
      108 1          5
      111 <210> SEQ ID NO: 5
      112 <211> LENGTH: 6
      113 <212> TYPE: PRT
      114 <213> ORGANISM: Artificial Sequence
      116 <220> FEATURE:
      117 <223> OTHER INFORMATION: Binding ligand from peptide library
      119 <220> FEATURE:
      120 <221> NAME/KEY: MISC_FEATURE
      121 <222> LOCATION: (1)..(1)
      122 <223> OTHER INFORMATION: Xaa is Pya
      125 <220> FEATURE:
      126 <221> NAME/KEY: MISC_FEATURE
      127 <222> LOCATION: (2)..(2)
      128 <223> OTHER INFORMATION: Xaa is Gua
      131 <220> FEATURE:
      132 <221> NAME/KEY: MISC_FEATURE
      133 <222> LOCATION: (3)..(3)
      134 <223> OTHER INFORMATION: Xaa is Pip
      137 <220> FEATURE:
      138 <221> NAME/KEY: MISC_FEATURE
      139 <222> LOCATION: (4)..(4)

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140 <223> OTHER INFORMATION: Xaa is Acc
143 <220> FEATURE:
144 <221> NAME/KEY: MISC_FEATURE
145 <222> LOCATION: (6)..(6)
146 <223> OTHER INFORMATION: Xaa is Pip
149 <400> SEQUENCE: 5
W--> 151 Xaa Xaa Xaa Xaa Phe Xaa
152 1 5
155 <210> SEQ ID NO: 6
156 <211> LENGTH: 6
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Binding ligand from peptide library
163 <220> FEATURE:
164 <221> NAME/KEY: MISC_FEATURE
165 <222> LOCATION: (2)..(2)
166 <223> OTHER INFORMATION: Xaa is Aze
169 <220> FEATURE:
170 <221> NAME/KEY: MISC_FEATURE
171 <222> LOCATION: (6)..(6)
172 <223> OTHER INFORMATION: Xaa is Aze
175 <400> SEQUENCE: 6
W--> 177 Phe Xaa Gly His Gly Xaa
178 1 5
181 <210> SEQ ID NO: 7
182 <211> LENGTH: 6
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Binding ligand from peptide library
189 <220> FEATURE:
190 <221> NAME/KEY: MISC_FEATURE
191 <222> LOCATION: (3)..(3)
192 <223> OTHER INFORMATION: Xaa is Pya
195 <220> FEATURE:
196 <221> NAME/KEY: MISC_FEATURE
197 <222> LOCATION: (4)..(4)
198 <223> OTHER INFORMATION: Xaa is Pip
201 <400> SEQUENCE: 7
W--> 203 Phe Thr Xaa Xaa Asp His
204 1 5
207 <210> SEQ ID NO: 8
208 <211> LENGTH: 6
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Binding ligand from peptide library
215 <220> FEATURE:

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216 <221> NAME/KEY: MISC_FEATURE
217 <222> LOCATION: (2)..(2)
218 <223> OTHER INFORMATION: Xaa is Ppy
221 <220> FEATURE:
222 <221> NAME/KEY: MISC_FEATURE
223 <222> LOCATION: (3)..(3)
224 <223> OTHER INFORMATION: Xaa is Acc
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (5)..(5)
230 <223> OTHER INFORMATION: Xaa is Ppy
233 <220> FEATURE:
234 <221> NAME/KEY: MISC_FEATURE
235 <222> LOCATION: (6)..(6)
236 <223> OTHER INFORMATION: Xaa is Hpy
239 <400> SEQUENCE: 8
W--> 241 Phe Xaa Xaa Ala Xaa Xaa
      242 1 5
245 <210> SEQ ID NO: 9
246 <211> LENGTH: 6
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Binding ligand from peptide library
253 <220> FEATURE:
254 <221> NAME/KEY: MISC_FEATURE
255 <222> LOCATION: (2)..(2)
256 <223> OTHER INFORMATION: Xaa is Abi
259 <220> FEATURE:
260 <221> NAME/KEY: MISC_FEATURE
261 <222> LOCATION: (3)..(3)
262 <223> OTHER INFORMATION: Xaa is Pal
265 <220> FEATURE:
266 <221> NAME/KEY: MISC_FEATURE
267 <222> LOCATION: (4)..(4)
268 <223> OTHER INFORMATION: Xaa is Hyp
271 <220> FEATURE:
272 <221> NAME/KEY: MISC_FEATURE
273 <222> LOCATION: (6)..(6)
274 <223> OTHER INFORMATION: Xaa is Hyp
277 <400> SEQUENCE: 9
W--> 279 Phe Xaa Xaa Xaa Thr Xaa
      280 1 5
283 <210> SEQ ID NO: 10
284 <211> LENGTH: 6
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Binding ligand from peptide library

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Input Set : A:\Sequence listing revised2.txt

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291 <220> FEATURE:
 292 <221> NAME/KEY: MISC_FEATURE
 293 <222> LOCATION: (2)..(2)
 294 <223> OTHER INFORMATION: Xaa is Gua
 297 <220> FEATURE:
 298 <221> NAME/KEY: MISC_FEATURE
 299 <222> LOCATION: (3)..(3)
 300 <223> OTHER INFORMATION: Xaa is Pal
 303 <220> FEATURE:
 304 <221> NAME/KEY: MISC_FEATURE
 305 <222> LOCATION: (5)..(5)
 306 <223> OTHER INFORMATION: Xaa is Gua
 309 <400> SEQUENCE: 10

W--> 311 Phe Xaa Xaa Tyr Xaa Tyr

312 1 5
 315 <210> SEQ ID NO: 11
 316 <211> LENGTH: 6
 317 <212> TYPE: PRT
 318 <213> ORGANISM: Artificial Sequence
 320 <220> FEATURE:
 321 <223> OTHER INFORMATION: Peptide
 323 <220> FEATURE:
 324 <221> NAME/KEY: MISC_FEATURE
 325 <222> LOCATION: (1)..(1)
 326 <223> OTHER INFORMATION: Xaa is Pal
 329 <220> FEATURE:
 330 <221> NAME/KEY: MISC_FEATURE
 331 <222> LOCATION: (2)..(2)
 332 <223> OTHER INFORMATION: Xaa is Abi
 335 <220> FEATURE:
 336 <221> NAME/KEY: MISC_FEATURE
 337 <222> LOCATION: (5)..(5)
 338 <223> OTHER INFORMATION: Xaa is Abi
 341 <400> SEQUENCE: 11

W--> 343 Xaa Xaa Gly Gly Xaa His

344 1 5
 347 <210> SEQ ID NO: 12
 348 <211> LENGTH: 6
 349 <212> TYPE: PRT
 350 <213> ORGANISM: Artificial Sequence
 352 <220> FEATURE:
 353 <223> OTHER INFORMATION: Binding ligand from peptide library
 355 <220> FEATURE:
 356 <221> NAME/KEY: MISC_FEATURE
 357 <222> LOCATION: (1)..(1)
 358 <223> OTHER INFORMATION: Xaa is Abi
 361 <220> FEATURE:
 362 <221> NAME/KEY: MISC_FEATURE
 363 <222> LOCATION: (3)..(4)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/541,501

DATE: 07/31/2006
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Input Set : A:\Sequence listing revised2.txt
Output Set: N:\CRF4\07312006\J541501.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 1,2,3,5,6
Seq#:4; Xaa Pos. 1,2,3,5
Seq#:5; Xaa Pos. 1,2,3,4,6
Seq#:6; Xaa Pos. 2,6
Seq#:7; Xaa Pos. 3,4
Seq#:8; Xaa Pos. 2,3,5,6
Seq#:9; Xaa Pos. 2,3,4,6
Seq#:10; Xaa Pos. 2,3,5
Seq#:11; Xaa Pos. 1,2,5
Seq#:12; Xaa Pos. 1,3,4,6
Seq#:13; Xaa Pos. 1,2,3,5
Seq#:14; Xaa Pos. 1,3,5
Seq#:15; Xaa Pos. 1
Seq#:16; Xaa Pos. 1
Seq#:17; Xaa Pos. 1
Seq#:18; Xaa Pos. 1
Seq#:19; Xaa Pos. 1
Seq#:20; Xaa Pos. 1
Seq#:21; Xaa Pos. 1
Seq#:22; Xaa Pos. 1
Seq#:23; Xaa Pos. 1
Seq#:24; Xaa Pos. 1
Seq#:25; Xaa Pos. 1
Seq#:26; Xaa Pos. 1
Seq#:27; Xaa Pos. 1
Seq#:28; Xaa Pos. 1
Seq#:29; Xaa Pos. 1
Seq#:30; Xaa Pos. 1
Seq#:31; Xaa Pos. 1
Seq#:32; Xaa Pos. 1
Seq#:33; Xaa Pos. 1
Seq#:34; Xaa Pos. 1,3
Seq#:35; Xaa Pos. 1,3,5
Seq#:36; Xaa Pos. 1
Seq#:37; Xaa Pos. 1
Seq#:38; Xaa Pos. 1,3,5
Seq#:39; Xaa Pos. 1,2,3
Seq#:57; Xaa Pos. 3,6
Seq#:58; Xaa Pos. 4,6
Seq#:59; Xaa Pos. 1
Seq#:60; Xaa Pos. 1
Seq#:61; Xaa Pos. 1
Seq#:62; Xaa Pos. 1
Seq#:63; Xaa Pos. 1

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Seq#:64; Xaa Pos. 1

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:44,45,46,57,58,59,60,61,62,63,64

VERIFICATION SUMMARY

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Input Set : A:\Sequence listing revised2.txt

Output Set : N:\CRF4\07312006\J541501.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
 L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
 L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
 L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
 L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
 L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
 L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
 L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
 L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
 L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
 L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
 L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
 L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
 L:465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
 L:485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
 L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
 L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
 L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
 L:565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
 L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
 L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
 L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
 L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
 L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
 L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
 L:705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
 L:725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
 L:745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
 L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
 L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
 L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
 L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
 L:851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
 L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
 L:903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
 L:923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
 L:955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
 L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
 L:1023 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (42) SEQUENCE:
 L:1029 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (43) SEQUENCE:
 L:1084 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (47) SEQUENCE:
 L:1091 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (48) SEQUENCE:
 L:1098 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (49) SEQUENCE:
 L:1105 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (50) SEQUENCE:
 L:1126 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (52) SEQUENCE:
 L:1133 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (53) SEQUENCE:
 L:1140 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (54) SEQUENCE:

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L:1147 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (55) SEQUENCE:
L:1154 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (56) SEQUENCE:
L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:1209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:1231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:1253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:1297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0
L:1319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0